

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR**

**AIR CONDITIONER, HORIZONTAL COMPACT
9,000 BTU/HR**

208-VOLT, 3 PHASE, 60 HERTZ

KECO MODEL F9000H-3

NSN 4120-01-088-3791

TECHNICAL MANUAL

No. 54120-34724P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 19 February 1982

**ORGANIZATIONAL, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR**

**AIR CONDITIONER, HORIZONTAL COMPACT
9,000 BTU/HR
208-VOLT, 3 PHASE, 60 HERTZ
KECO MODEL F9000H-3
NSN 4120-01-088-3791
CURRENT AS OF 11 AUGUST 1981**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

TABLE OF CONTENTS

	Page	Illus Figure
SECTION I. INTRODUCTION		
II. REPAIR PARTS LIST		
Group 01. FINAL ASSEMBLY		
Loose Connectors.....	7	1
Data Plates and Installation Hardware.....	9	2
02. HOUSING COVERS, PANELS, GRILLES, SCREENS, AND INFORMATION PLATES		
Fabric Cover.....	11	3
Top and Front Covers, Louvers and Instruction Plates.....	13	4
Side and Rear Guards, Louvers and Instruction Plates.....	15	5
03. AIR CIRCULATING AND- CONDENSATE DRAIN SYSTEM		
Air Filter and Mist Eliminator.....	17	6
Damper Controls, Linkages and Fittings.....	19	7
Condensate Drain Tubes.....	21	8
04. ELECTRICAL		
Control Module.....	23	9
Junction Box.....	27	10
Wiring Harnesses and Terminal Boards.....	31	11
Transformer and Rectifier Assembly.....	35	12
Condenser Fan Thermostatic Switch.....	37	13

TABLE OF CONTENTS (CONT)

		Page	Illus Figure
Group 05.	EVAPORATOR FAN, MOTOR AND HEATER		
	Evaporator Fan Assembly	39	14
	Motor Assembly, Evaporator Fan (IMC).....	43	15
	Motor Assembly, Evaporator Fan (Welco).....	44.1	15A
	Heater Elements and Thermostat.....	45	16
06.	CONDENSER FAN AND MOTOR		
	Condenser Fan.....	47	17
	Motor Assembly (IMC).....	49	18
	Motor Assembly (Welco).....	50.1	18A
07.	REFRIGERATION SYSTEM		
	Evaporator Coil and Piping.....	51	19
	Pressure Switches, Charging Valves and Relief Valve.....	55	20
	Condenser Coil and Piping.....	57	21
	Compressor.....	61	22
08.	HOUSING		
	Housing.....	63	23
09.	BULK	65	
SECTION III.	SPECIAL TOOLS LIST (NOT APPLICABLE)		
IV.	NATIONAL STOCK NUMBER-PART NUMBER INDEX	67	

Section I. INTRODUCTION

1. SCOPE. This manual lists spares and repair parts; special tools; special test measurement and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of Air Conditioners, Keco Model F9000H-3 Air Conditioner. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. GENERAL. This Repair Parts and Special Tools List is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. This list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence. Bulk materials are listed in NSN sequence.

b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized for the performance of maintenance. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National Item Identification Number (NIIN) sequence of all National Stock Numbers (NSN) appearing in the listings, followed by a list in alpha-numeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

3. EXPLANATION OF COLUMNS.

a. Illustration. This column is divided as follows:

(1) Figure Number. Indicates the figure number of the illustration on which the item is shown.

(2) Item Number. The number used to identify item called out in the illustration.

b. Source, Maintenance and Recoverability (SMR) Codes.

(1) Source Code. Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

CODE	DEFINITION
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purpose because essentiality dictates that a minimum quantity be available in the supply system.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or out-fittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which, because of probable discontinuance or shutdown of production facilities, would prove uneconomical to reproduce at a later time.
KD	An item of a depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at the organizational level.
MF	Item to be manufactured or fabricated at the direct support maintenance level.
MH	Item to be manufactured or fabricated at the general support maintenance level.

CODE	DEFINITION
MD	Item to be manufactured or fabricated at the depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XC	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
XD	A support item that is not stocked. When required item will be procured through normal supply channels.

NOTE

Cannibalization or salvage may be used as a source of supply for any items coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) Maintenance Code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

CODE	APPLICATION/EXPLANATION
C	Crew or operator maintenance performed within organizational maintenance.
O	Support item is removed, replaced, used at the organizational level.

CODE	APPLICATION/EXPLANATION
F	Support item is removed, replaced, used at the direct support level.
H	Support item is removed, replaced, used at the general support level.
D	Support items that are removed, replaced, used at depot, mobile depot, or specialized repair activity only.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes.

CODE	APPLICATION/EXPLANATION
O	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F	The lowest maintenance level capable of complete repair of the support item is the direct support level.
H	The lowest maintenance level capable of complete repair of the support item is the general support level.
D	The lowest maintenance level capable of complete repair of the support item is the depot level.
L	Repair restricted to (enter applicable designated specialized repair activity), Specialized Repair Activity.
Z	Nonrepairable. No repair is authorized.
B	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts special tools are procured for the maintenance of this item.

(3) Recoverability Code. Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code Format as follows:

RECOVERABILITY CODE	DEFINITION
Z	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in position 3.